

Master in Artificial Intelligence



Problem Definition I





Purpose

The purpose of the section is to help you learn how to define problems to become a Successful Artificial Intelligence (AI) Engineer

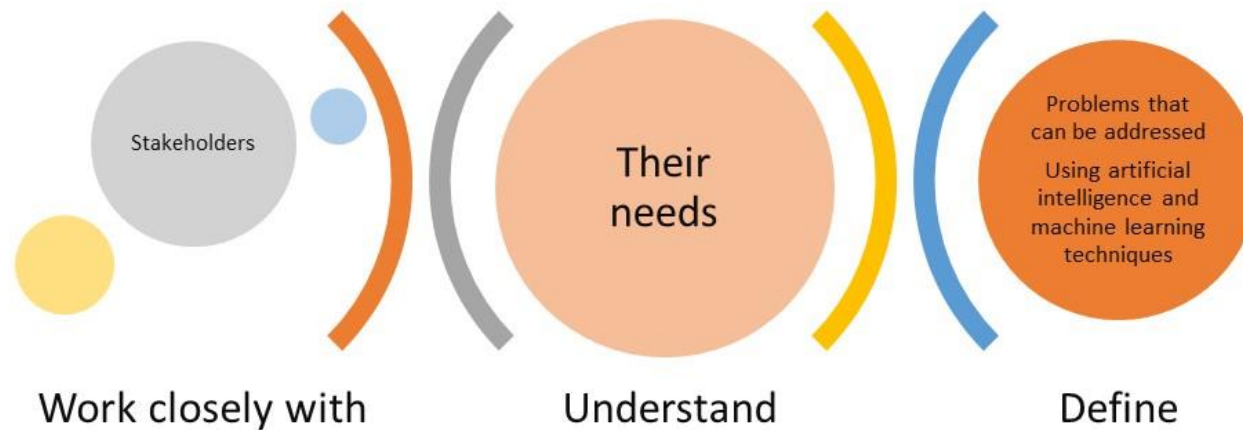
At the end of this lecture, you will learn the following

- **How to understand stakeholders' needs and define problems that can be addressed using artificial intelligence and machine learning techniques**



How to understand stakeholders' needs and define problems

Problem Definition



Identify Stakeholders



Engage Stakeholders



Listen Actively



Ask Probing Questions



What are your key requirements?

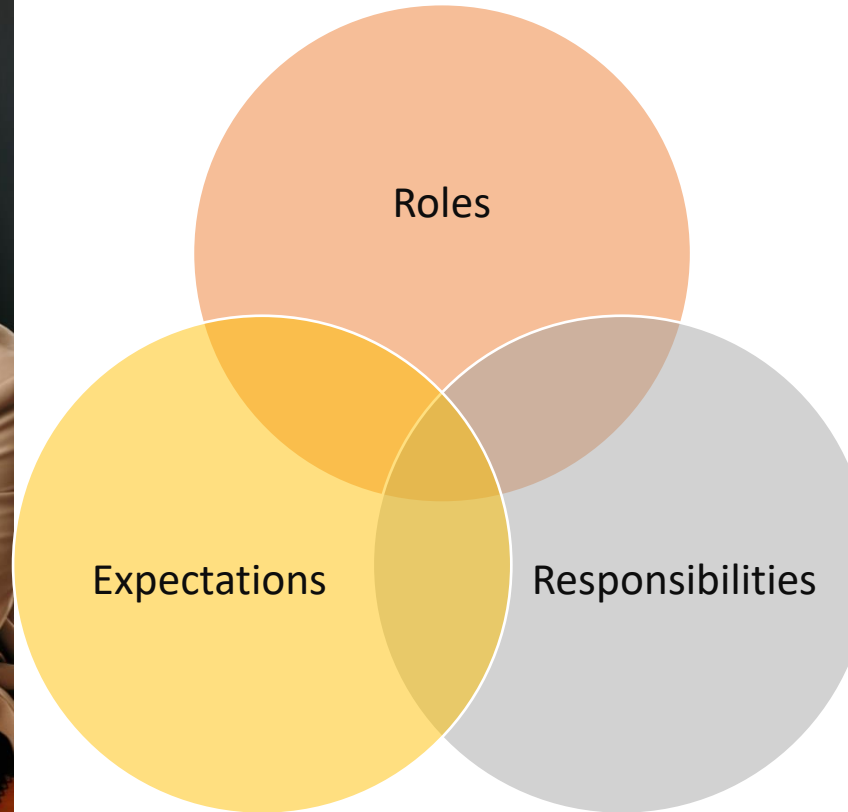
What are the main challenges do you face?

What are your current pain points?

Can you please give examples or anecdotes to illustrate these?



Conduct Stakeholder Interviews



Collect Data

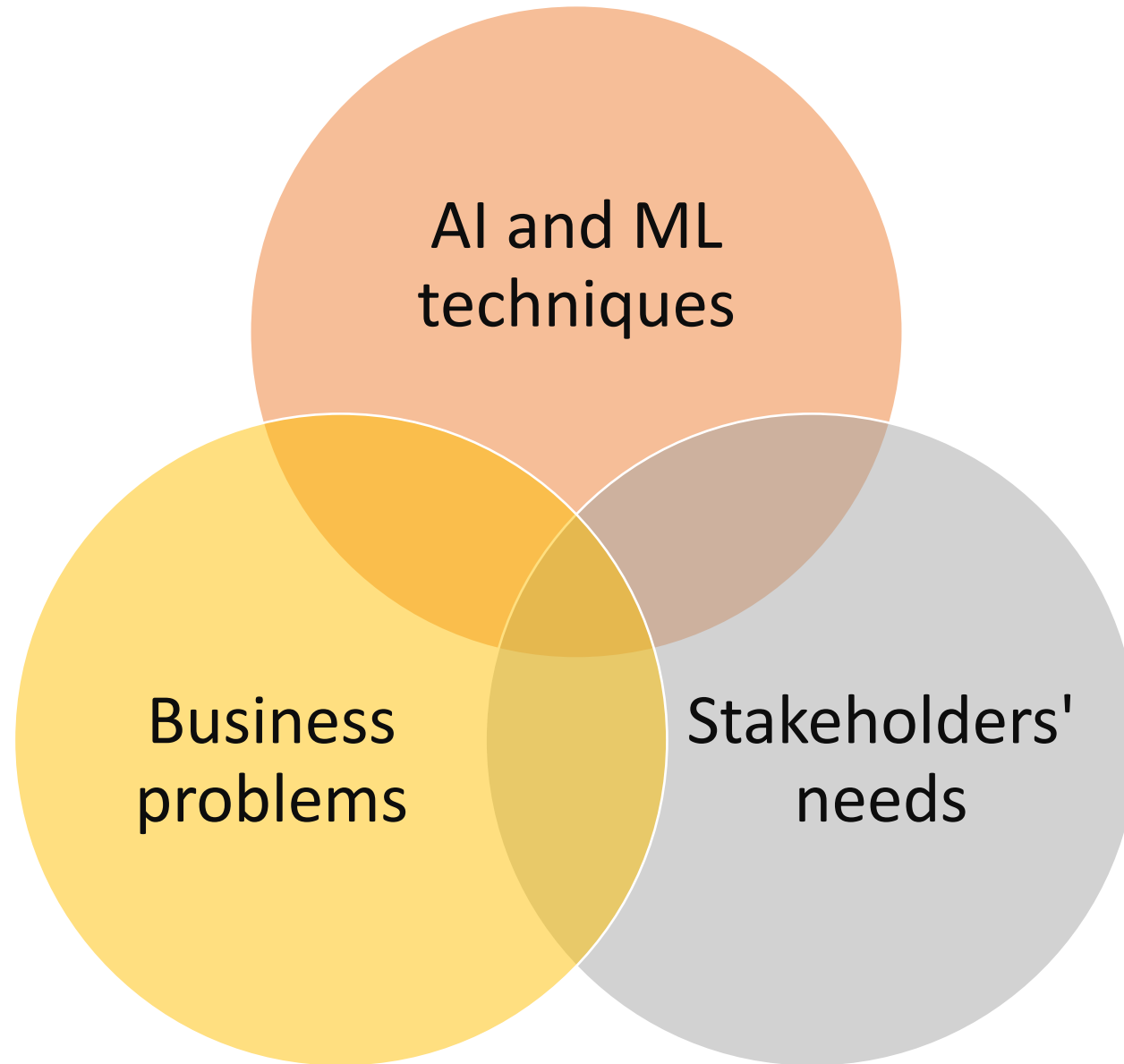
Gather relevant
data and
information
from
stakeholders

Analyze the
data

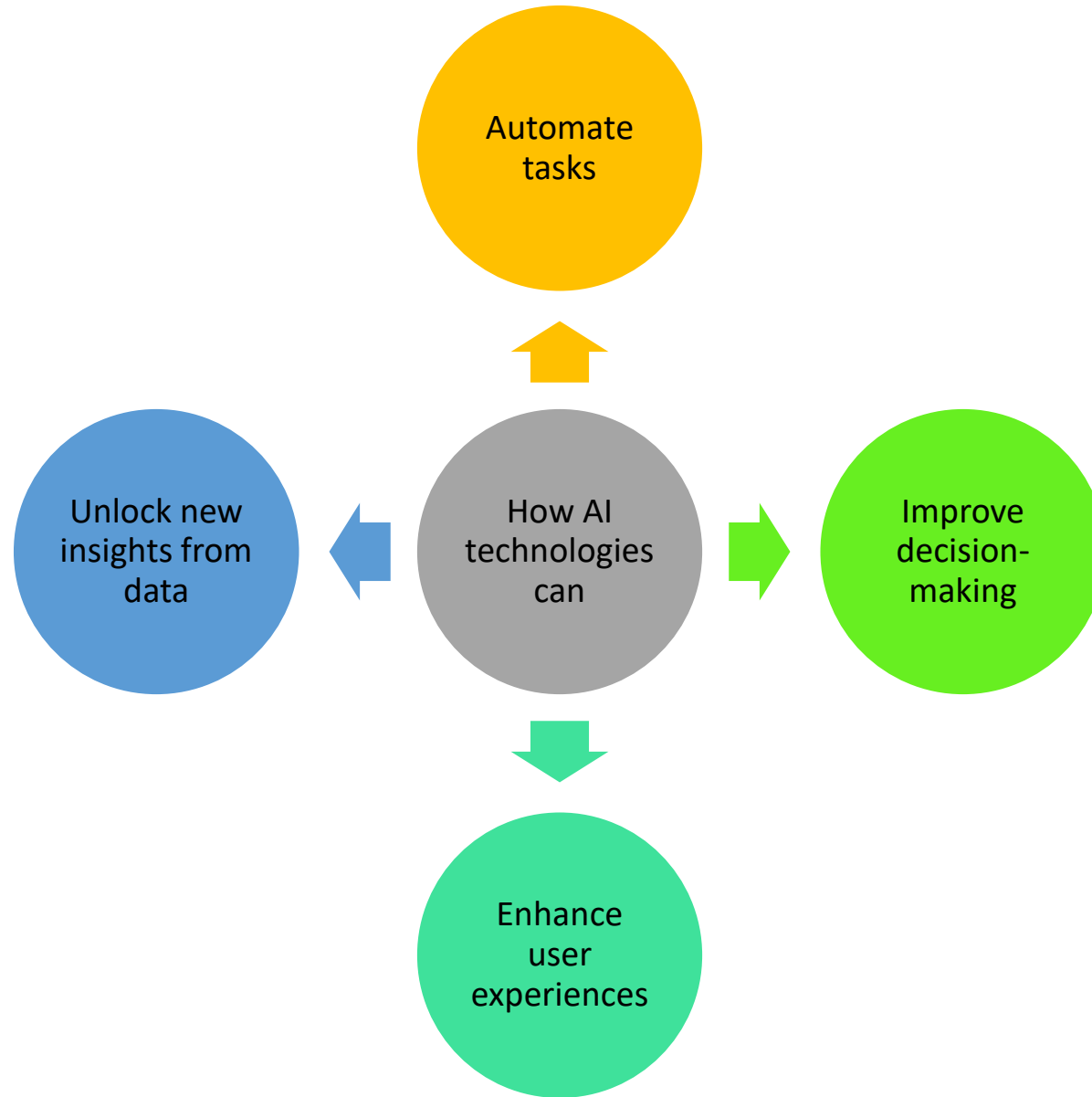
Identify
patterns,
trends, and
areas for
improvement



Map Stakeholder Needs to AI Opportunities



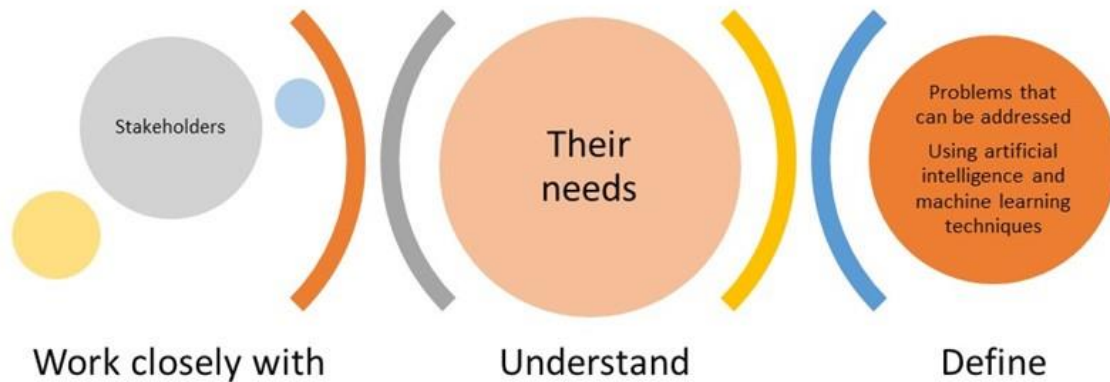
Map Stakeholder Needs to AI Opportunities



What is next?

How to understand stakeholders' needs and define problems

Problem Definition



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